
Software Development Manager

25+ years in software engineering and 12 years leading Agile software development groups

Software Development Manager with over 25-year experience in scientific application development for the Oil and Gas industry. Leverages proven experience in software engineering and Agile leadership to assist organizations with developing innovative solutions and deliver value to their businesses

Highlights of Expertise

- Software Engineering
- Software Project Management
- Software Development Lifecycle
- Object Oriented Programming
- Continuous Improvement
- Agile / Scrum
- Contracting / Outsourcing / Offshoring
- Technical Recruitment
- Agile Leadership
- Bilingual in English and French

Experience

Digital Product Manager – Shell, Houston July 2018 to Present

- ◆ Coordinating a project portfolio to develop machine learning and machine vision based solutions to automate seismic data processing
- ◆ Leading a team of four digital product managers

Software Development Manager – Shell, Rijswijk February 2014 to June 2018

Managed software development efforts with a focus on outsourcing activities

- ◆ Led the transformation of a development effort from onshore staff augmentation to offshore managed service and reduce cost by 75%
- ◆ Prominent role in coordinating departmental Bangalore change journey. This necessitated crafting and implementing vendor offshoring strategy and resulted in moving 250 software development positions from Rijswijk or Houston, to Bangalore
- ◆ Bootstrapped Bangalore departmental recruitment activities which resulted in over 40 hires
- ◆ Key participant in sourcing board activities which defined, oversaw and implemented departmental vendor management strategies

Software Development Manager – Shell, Houston March 2010 to February 2014

- ◆ Led a 40-person group of team leaders, developers, testers, and build engineers through an Agile transformation (see segonds.org/agile2012 for more details)
- ◆ Prime mover in organizing and executing the first Subsurface Software and Wells developers conference at Shell

**Product Development Manager – Geomodeling Technology Corp., Calgary
June 2008 to Feb 2010**

- ◆ Led 30-person group of developers, testers, technical writers, and build engineer to successfully release multiple versions of company commercial applications
- ◆ Initiated and led R&D department Agile transformation in Calgary and Beijing

**Development Team Lead – Paradigm Geophysical, Houston
July 2005 to June 2008**

Managed Houston GOCAD maintenance team of up to eight developers. GOCAD is a 3D geological modeling application. At that time, core module was over one million lines of Object-Oriented C++ code with over 4,000 classes and a Qt-based user interface. Our product line consisted of over thirty modules

**IT Manager – Earth Decision Sciences, Houston
November 2003 to July 2005**

Led a four-person system administration team to manage 200 workstations, 20 servers, and eight sites worldwide. Responsible for the design, implementation, growth and maintenance of company IT infrastructure

**Senior Software Engineer – Earth Decision Sciences, Houston
January 1999 to October 2003**

Implemented different algorithms and subsystems in company flagship scientific application. Also, contributed to various startup activities such as system administration or customer training

**PhD Candidate – Institut Français du Pétrole, Rueil Malmaison
January 1996 to December 1998**

Developed methods and algorithms for 3D Geomodeling software GOCAD

**Researcher – Elf Geosciences Research Center, London, United Kingdom
September 1994 to December 1995**

Researched 3D geological modeling methodologies and implemented various algorithms in C++ such as triangulated meshes decimation. Modeled geological structure of North Sea oil fields

Education

PhD in Geosciences

Institut National Polytechnique de Lorraine, Nancy, France

Master's degree in Geology, with minor in Computer Science

École Nationale Supérieure de Géologie, Nancy, France